

TABLE 5-2

TIER 3A RBSLs FOR SOIL CONCENTRATIONS (FOR LEACHING TO GROUNDWATER) FOR DIFFERENT DISTANCES TO THE GROUNDWATER EXPOSURE POINT

CHEMICALS OF CONCERN	WATER STANDARD [ug/L]	TIER 3A RBSLs FOR SOIL CONCENTRATION AT THE SOURCE FOR DIFFERENT DISTANCES TO THE EXPOSURE POINT											
		0 ft.	50 ft.	100 ft.	150 ft.	200 ft.	250 ft.	300 ft.	350 ft.	400 ft.	450 ft.	500 ft.	1000 ft.
		[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]	[mg/kg]
Benzene	5	0.0183	0.0239	0.0568	0.114	0.194	0.298	0.424	0.573	0.746	0.941	1.16	4.61
Toluene	1000	9.86	12.9	30.6	61.4	105	160	228	309	402	507	624	1040 *
Ethylbenzene	700	13.3	17.4	41.2	82.6	141	216	308	416	541	641 *	641 *	641 *
Xylenes (mixed)	10000	202	264	627	706 *	706 *	706 *	706 *	706 *	706 *	706 *	706 *	706 *
1,2 Dichloroethane (DCA)	5	0.00703	0.00919	0.02318	0.0438	0.0746	0.114	0.163	0.22	0.286	0.362	0.445	1.77
Methyl Tertbutyl Ether (MtBE)	20	0.0214	0.028	0.0665	0.133	0.227	0.348	0.496	0.671	0.872	1.1	1.36	5.39
Ethylene Dibromide (EDB)	0.05	0.0000969	0.000127	0.000301	0.000603	0.00103	0.00158	0.00225	0.00304	0.00395	0.00498	0.00614	0.0244
Naphthalene	350	10	13.1	31.1	62.5	106	163	232	314	409	516	622 *	622 *

Note:

* Calculated Tier 3A RBSLs for soil concentrations exceeded saturated soil concentration and hence the saturated soil concentrations are listed as the Tier 3A RBSLs for soil concentrations protective of groundwater.
Soil concentrations are presented on a dry weight basis.